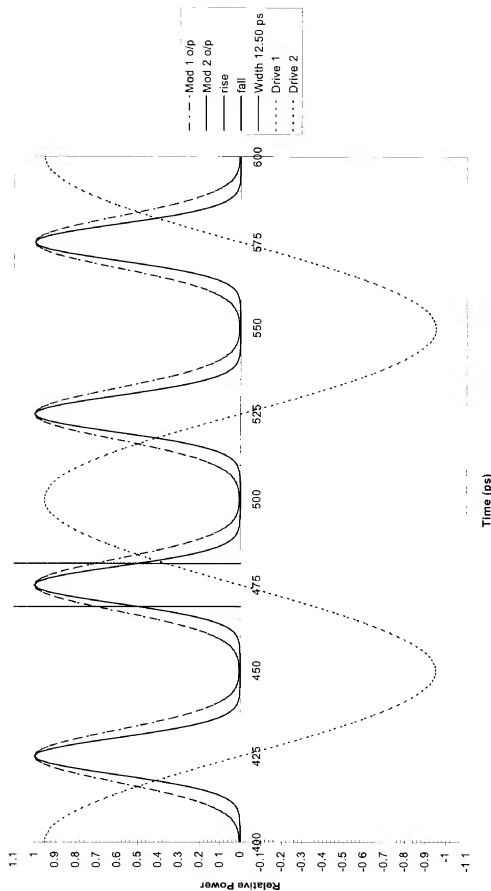


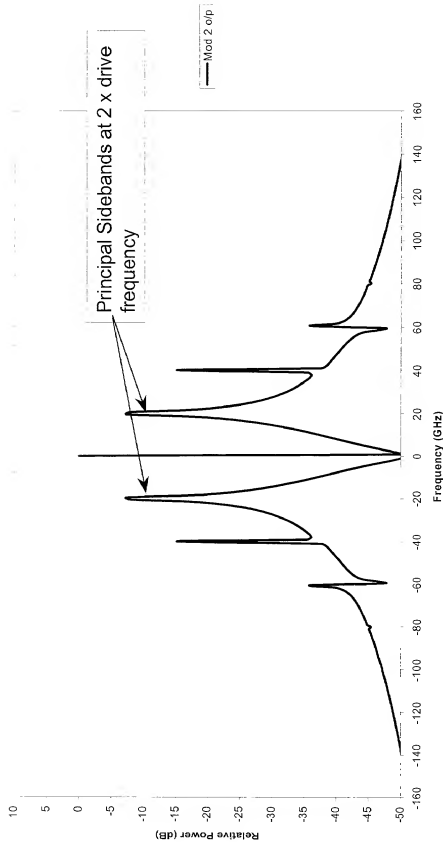
Fig. 1



Bias = $0 V_{\pi}$
 Drive 1 = $0.95 V_{\pi}$ pk ($1.9V_{\pi}$ pk - pk)
 Drive 2 = $0.95 V_{\pi}$ pk ($1.9V_{\pi}$ pk - pk)

Fig. 2

Mod 2 o/p

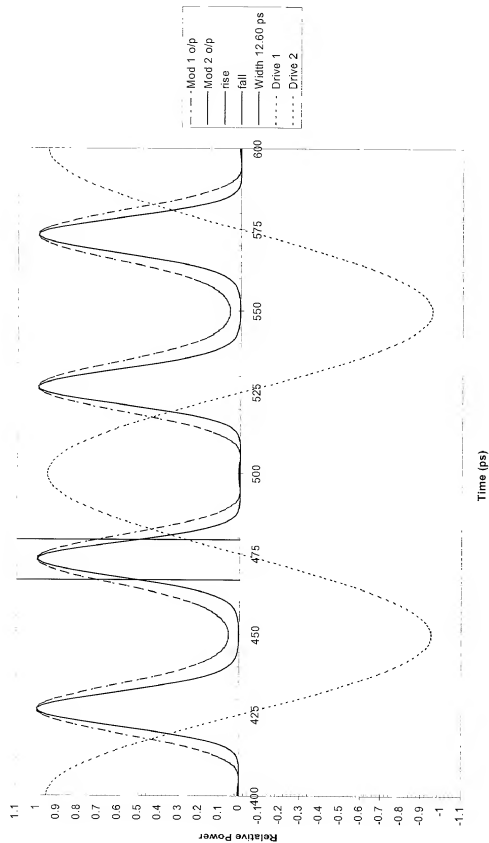


Bias = $0 V_{\pi}$

Drive 1 = $0.95 V_{\pi}$ pk ($1.9V_{\pi}$ pk - pk)

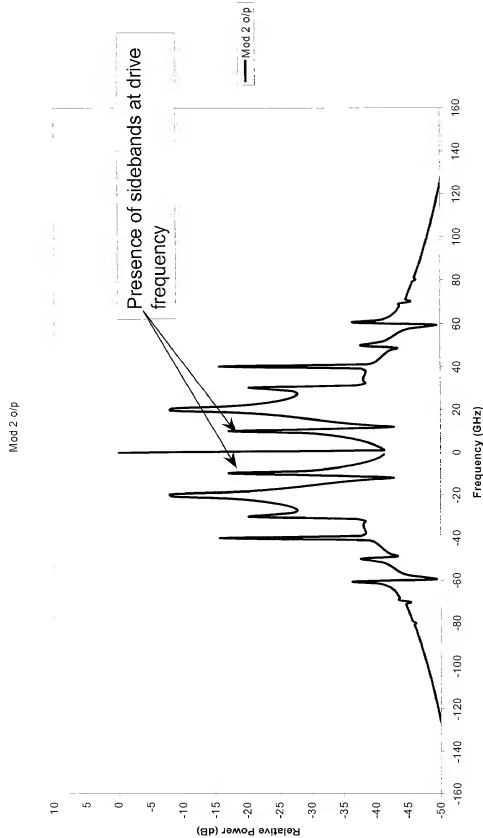
Drive 2 = $0.95 V_{\pi}$ pk ($1.9V_{\pi}$ pk - pk)

Fig. 3



Bias = $0.1 V_{\pi}$
 Drive 1 = $0.95 V_{\pi}$ pk ($1.9 V_{\pi}$ pk - pk)
 Drive 2 = $0.95 V_{\pi}$ pk ($1.9 V_{\pi}$ pk - pk)

Fig. 4

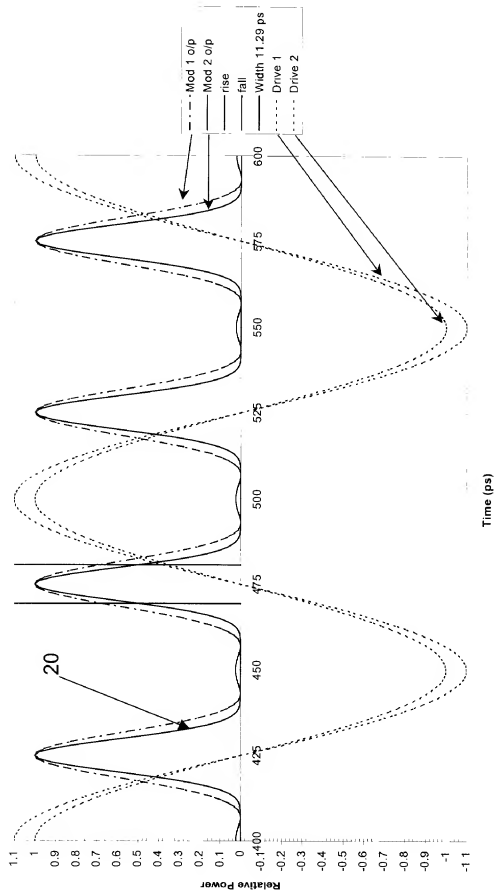


Bias = $0.1 V_{\pi}$

Drive 1 = $0.95 V_{\pi}$ pk ($1.9V_{\pi}$ pk - pk)

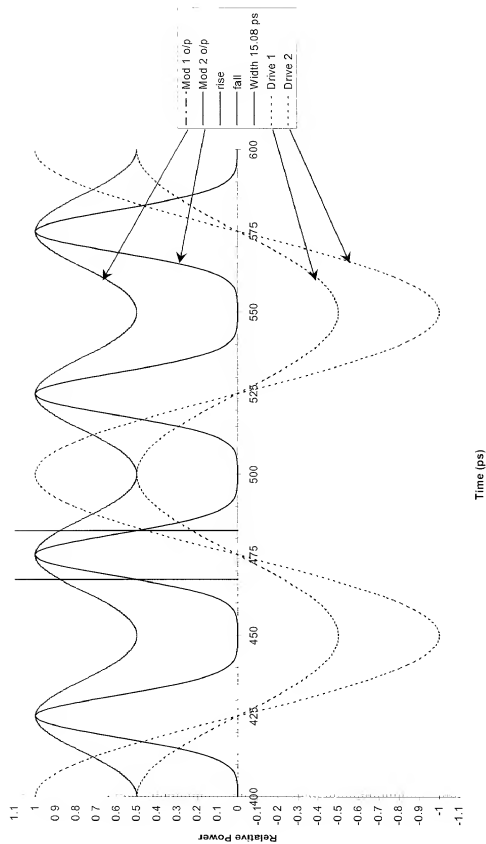
Drive 2 = $0.95 V_{\pi}$ pk ($1.9V_{\pi}$ pk - pk)

Fig. 5



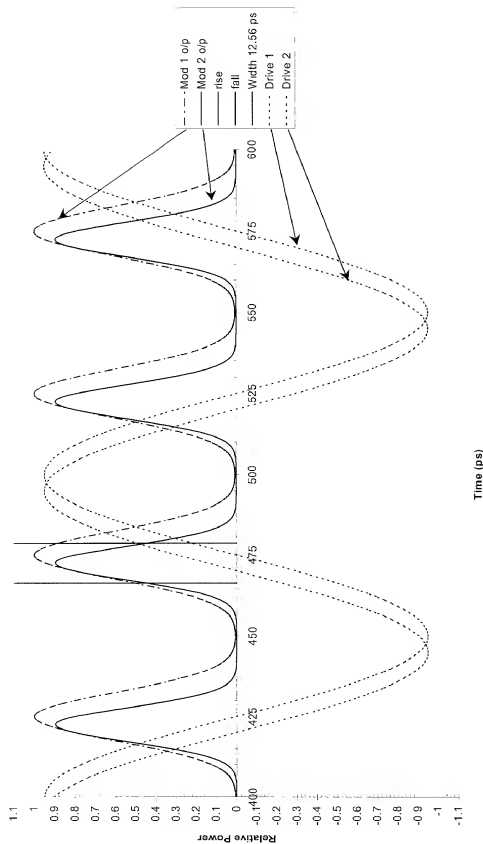
Bias = $0 V_{\pi}$
 Drive 1 = $1.1V_{\pi}$ pk ($2.2V_{\pi}$ pk - pk)
 Drive 2 = V_{π} pk ($2V_{\pi}$ pk - pk)

Fig. 6



Bias = $0 V_{\pi}$
 Drive 1 = $0.5V_{\pi}$ pk (V_{π} pk - pk)
 Drive 2 = V_{π} pk ($2V_{\pi}$ pk - pk)

Fig. 7



Bias = $0 V_{\pi}$
 Drive 1 = $0.95 V_{\pi}$ pk ($1.9 V_{\pi}$ pk - pk)
 Drive 2 = $0.95 V_{\pi}$ pk ($1.9 V_{\pi}$ pk - pk)

Fig. 8

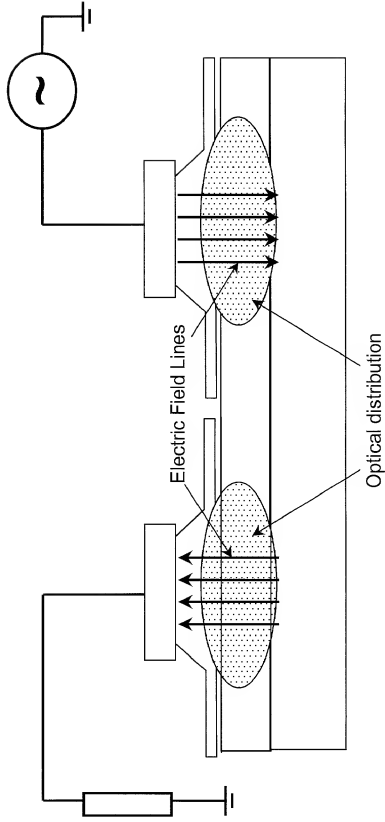


Fig. 9